Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/25/2018 10:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124492	-1	1.36	124333	1.35
Blue	F	SSC	125000	121822	-3	3.29	122119	3.14
Blue	E	FITC	23615	22761	-4	2.54	1016	10.30
Blue	D	PE	26739	26311	-2	2.08	946	9.81
Blue	B	PerCP-Cy5-5	48339	47115	-3	3.51	1353	17.07
Blue	A	PE-Cy7	45021	43950	-3	5.26	688	36.13
Red	C	APC	53064	52317	-2	2.86	2997	9.68
Red	A	APC-Cy7	57175	56524	-2	2.82	1193	11.50
Violet	B	V450	14728	13919	-6	5.21	664	10.01
Violet	A	V500	58621	57417	-3	5.15	2546	7.28

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18898	1.88	608	-6	N/A	N/A	Pass
Blue	F	SSC	60377	1.36	553	7	N/A	N/A	Pass
Blue	E	FITC	111	40.60	545	-3	0.0209	214	Pass
Blue	D	PE	205	29.84	537	1	0.1652	273	Pass
Blue	B	PerCP-Cy5-5	210	45.98	634	-1	0.0100	111	Pass
Blue	A	PE-Cy7	74	121.79	692	-1	0.0113	15	Pass
Red	C	APC	346	29.26	601	4	0.0197	119	Pass
Red	A	APC-Cy7	129	41.04	583	3	0.0050	1445	Pass
Violet	B	V450	83	43.70	467	-3	0.0411	1963	Pass
Violet	A	V500	188	25.63	496	-1	0.0152	1375	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/25/2018 10:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.07	-31.57	0.88
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	17.68	14.40 - 21.60	N/A	N/A	31.48	31.91	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 12925

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments